



# UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/938,916	08/24/2001	Ralf I. Pfeiffer	BVOC024	3490

7590 08/26/2004  
BEVOCAL, INC.  
685 CLYDE AVENUE  
MOUNTAIN VIEW, CA 94043-2213

EXAMINER

VO, HUYEN X

ART UNIT PAPER NUMBER

2655

DATE MAILED: 08/26/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

# Office Action Summary

Application No.

09/938,916

Applicant(s)

PFEIFFER ET AL.

Examiner

Huyen Vo

Art Unit

2655

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

## Status

- 1) ☒ Responsive to communication(s) filed on 24 August 2001.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

## Disposition of Claims

- 4) ☒ Claim(s) 1-26 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-26 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

## Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 24 August 2001 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

## Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
  - ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

## Attachment(s)

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)  | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                   | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)             |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____  |

**DETAILED ACTION**

***Claim Objections***

1. Claim 23 is objected to because of the following informalities: step c appears twice. The examiner treats the second step c as step d, and step d as step e. Appropriate correction is required.

***Claim Rejections - 35 USC § 102***

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

---

A person shall be entitled to a patent unless --

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

3. Claims 1-26 are rejected under 35 U.S.C. 102(e) as being anticipated by Saylor et al. (6501832).
4. Regarding claims 1, 10, and 19, Saylor et al. disclose a method, computer program product, and system for dynamically extending element types for a voice-based extensible mark-up language (VoiceXML), comprising:
  - (a) registering a plurality of element types with a VoiceXML interpreter (col. 23, ln. 46-67);

(b) receiving the element types during use of the VoiceXML interpreter (*col. 18, ln. 8-65*); and

(c) accessing code associated with the registered element types utilizing the VoiceXML interpreter (*col. 18, ln. 8-65*); (d) wherein the code extends the functionality of the VoiceXML (*col. 18, ln. 8-65*).

5. Regarding claims 2-9 and 11-18, Saylor et al. further disclose that the code is written in JAVA (*col. 18, ln. 45-65*), the registration includes tagging the registered element types as being extensions to a conventional set of element types (*col. 14, ln. 46-67*), the element types are tagged utilizing extensible mark-up language (XML) namespaces (*col. 14, ln. 46-67 and col. 18, ln. 45-65*), the registration includes identifying a VoiceXML element type to be extended (*col. 14, ln. 46-67*), the registration includes identifying a name for the VoiceXML element type to be extended (*col. 2, ln. 4-16 and col. 3, ln. 60 to col. 4, ln. 15*), the registration includes identifying a class to be loaded for the VoiceXML element type to be extended (*col. 2, ln. 4-16 and col. 3, ln. 31-59*), the registration includes identifying a location of a file containing class files associated with the identified class (*col. 25, ln. 64 to col. 26, ln. 15*), and the VoiceXML interpreter is a component of a speech recognition/synthesis system available over the Internet (*col. 4, ln. 43 to col. 5, ln. 8*).

6. Regarding claim 24, Saylor et al. disclose a data structure stored in memory for dynamically extending a type attribute of elements of a voice-based extensible mark-up language (VoiceXML), comprising:

(a) a VoiceXML type attribute object that is extended to include a previously undefined type attribute (*col. 18, ln. 13-65*);

(b) a VoiceXML element (*col. 18, ln. 45-65*); and

(c) a class object for identifying a class to be loaded for the VoiceXML type attribute object that is extended (*col. 2, ln. 4-16 and col. 3, ln. 31-42*);

(d) wherein the data structure is capable of being used to register VoiceXML type attribute objects capable of accessing code to extend the functionality of the VoiceXML (*col. 14, ln. 23-67*).

7. Regarding claims 25-26, Saylor et al. disclose that the element includes at least one of grammar and field (*col. 29, ln. 29-44*), and the type includes at least one of digits, number, phone, currency, equity, airline information, address, and country (*col. 3, ln. 17-42*).

8. Regarding claim 20, Saylor et al. disclose a method for dynamically extending element types for a voice-based extensible mark-up language (VoiceXML), comprising:

(a) registering a plurality of element types with a VoiceXML interpreter utilizing a data structure (*col. 14, ln. 1-67*) including:

(i) a VoiceXML element type to be extended (*col. 18, ln. 45-65*),

(ii) a name for the VoiceXML element type to be extended (*col. 3, ln. 60 to col. 4, ln. 15*),

(iii) a class to be loaded for the VoiceXML element type to be extended (*col. 2, ln. 4-16 and col. 3, ln. 31-59*), and

(iv) a location of a file containing class files associated with the identified class (*col. 25, ln. 64 to col. 26, ln. 15*);

(b) tagging the registered element types as being extensions to a conventional set of element types, wherein the element types are tagged utilizing extensible mark-up language (XML) namespaces (*col. 14, ln. 46-67 and col. 18, ln. 45-65*);

(c) receiving element types during use of the VoiceXML interpreter (*col. 18, ln. 8-65*);

(d) determining whether the received element types are registered based on the tagging (*col. 15, ln. 1-67*); and

(e) accessing code associated with the element types utilizing the VoiceXML interpreter if the received element types are determined to be registered (*col. 18, ln. 8-65*); (f) wherein the code extends the functionality of the VoiceXML (*col. 18, ln. 8-65*).

9. Regarding claim 21, Saylor et al. disclose a data structure stored in memory for dynamically extending element types for a voice-based extensible mark-up language (VoiceXML), comprising:

(a) a VoiceXML element type object for identifying a VoiceXML element type to be extended (*col. 14, ln. 46-67*);

(b) a name object for identifying a name for the VoiceXML element type to be extended (*col. 2, ln. 4-16 and col. 3, ln. 60 to col. 4, ln. 15*);

(c) a class object for identifying a class to be loaded for the VoiceXML element type to be extended (*col. 2, ln. 4-16 and col. 3, ln. 31-59*); and

(d) a location object for identifying a location of a file containing class files associated with the identified class (*col. 25, ln. 64 to col. 26, ln. 15*);

(e) wherein the data structure is capable of being used to register element types capable of accessing code to extend the functionality of the VoiceXML (*col. 18, ln. 8-65*).

---

10. Regarding claim 22, Saylor et al. disclose a method for dynamically extending a type attribute of elements of a voice-based extensible mark-up language (VoiceXML), comprising:

(a) registering with a VoiceXML interpreter an extended type attribute associated with an element of VoiceXML (*col. 14, ln. 46 to col. 15, ln. 67*);

(b) receiving the element during use of the VoiceXML interpreter (*col. 18, ln. 8-65*);

(c) identifying the extended type attribute associated with the element (*col. 15, ln. 1-67*); and

(d) accessing code corresponding to the registered type attribute utilizing the VoiceXML interpreter (*col. 18, ln. 8-65*);

(e) wherein the code extends the functionality of the VoiceXML (*col. 18, ln. 8-65*).

11. Regarding claim 23, Saylor et al. disclose a computer program product for dynamically extending a type attribute of elements of a voice-based extensible mark-up language (VoiceXML), comprising:

(a) computer code for registering with a VoiceXML interpreter an extended type attribute associated with an element of VoiceXML (*col. 14, ln. 46 to col. 15, ln. 67*);

(b) computer code for receiving the element during use of the VoiceXML interpreter (*col. 18, ln. 8-65*);

(c) computer code for identifying the extended type attribute associated with the element (*col. 15, ln. 1-67*); and

(d) computer code for accessing code corresponding to the registered type attribute utilizing the VoiceXML interpreter (*col. 18, ln. 8-65*); (e) wherein the code extends the functionality of the VoiceXML (*col. 18, ln. 8-65*).

### **Conclusion**

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Huyen Vo whose telephone number is 703-305-8665. The examiner can normally be reached on M-F, 9-5:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Doris To can be reached on 703-305-4827. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.




Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Examiner Huyen X. Vo

July 15, 2004

\*\*\*



W. R. YOUNG  
PRIMARY EXAMINER